

Drought Information Statement for southern Wisconsin

Valid September 21, 2023

Issued By: NWS Milwaukee

Contact Information: nws.milwaukee@noaa.gov

- This product will be updated Oct 5, 2023 or sooner if conditions change considerably.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/mkx/DroughtInformationStatement> for previous statements.



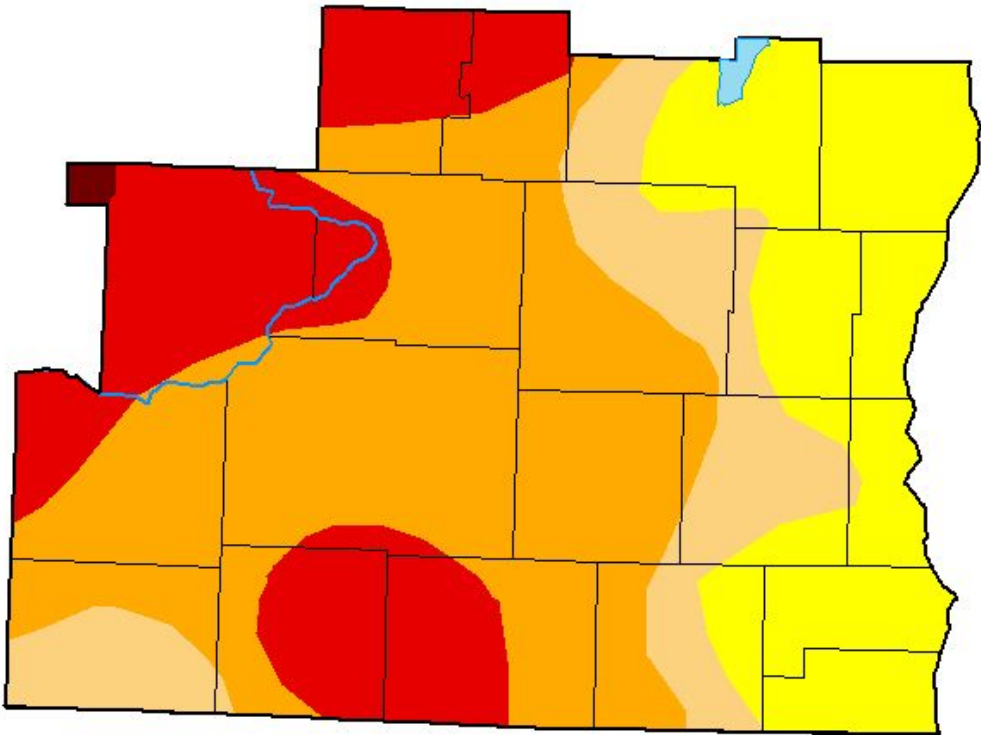


Wisconsin Drought Update

September 21, 2023
11:00 AM

- No changes over the past week
- Drought conditions (D1) developed across southern Wisconsin in early June
- Severe Drought (D2) has dominated south-central and parts of southeast Wisconsin since early July. Conditions improved somewhat in southeast Wisconsin over the past month.
- Extreme Drought (D3) conditions have been indicated for parts of southwest and south-central Wisconsin since early July

U.S. Drought Monitor
**Milwaukee/
Sullivan, WI WFO**



September 19, 2023
(Released Thursday, Sep. 21, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)						
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	76.59	62.45	21.92	0.35
Last Week 09-12-2023	0.00	100.00	76.59	62.45	21.92	0.35
3 Months Ago 06-20-2023	0.00	100.00	98.86	17.23	0.00	0.00
Start of Calendar Year 01-03-2023	96.91	3.09	0.00	0.00	0.00	0.00
Start of Water Year 09-27-2022	98.46	1.54	0.00	0.00	0.00	0.00
One Year Ago 09-20-2022	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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droughtmonitor.unl.edu



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Milwaukee, WI

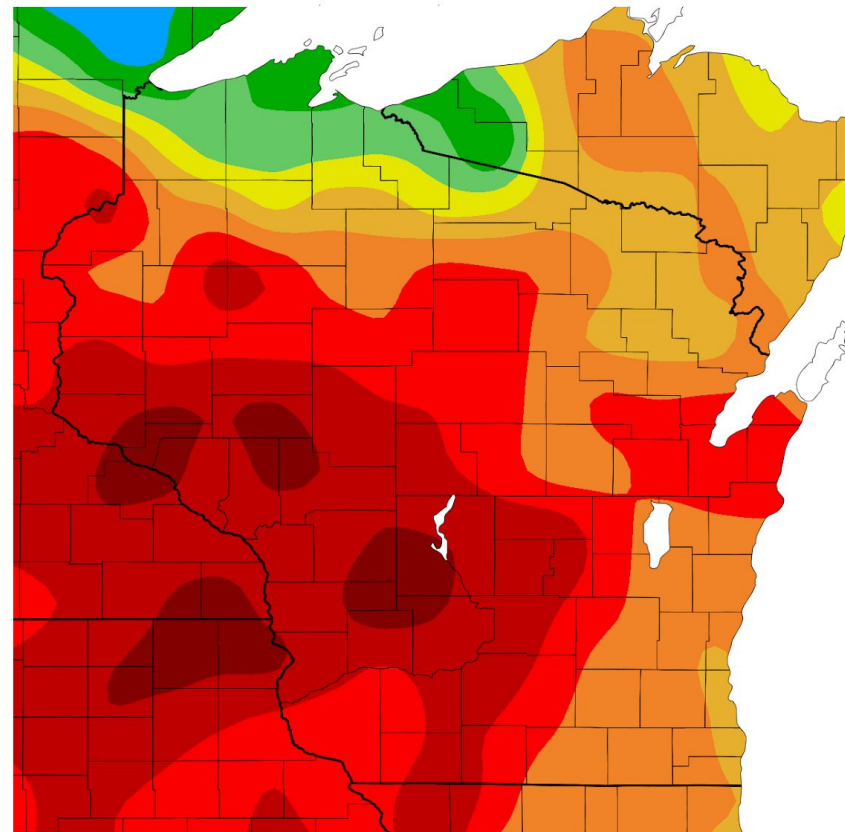


Precipitation

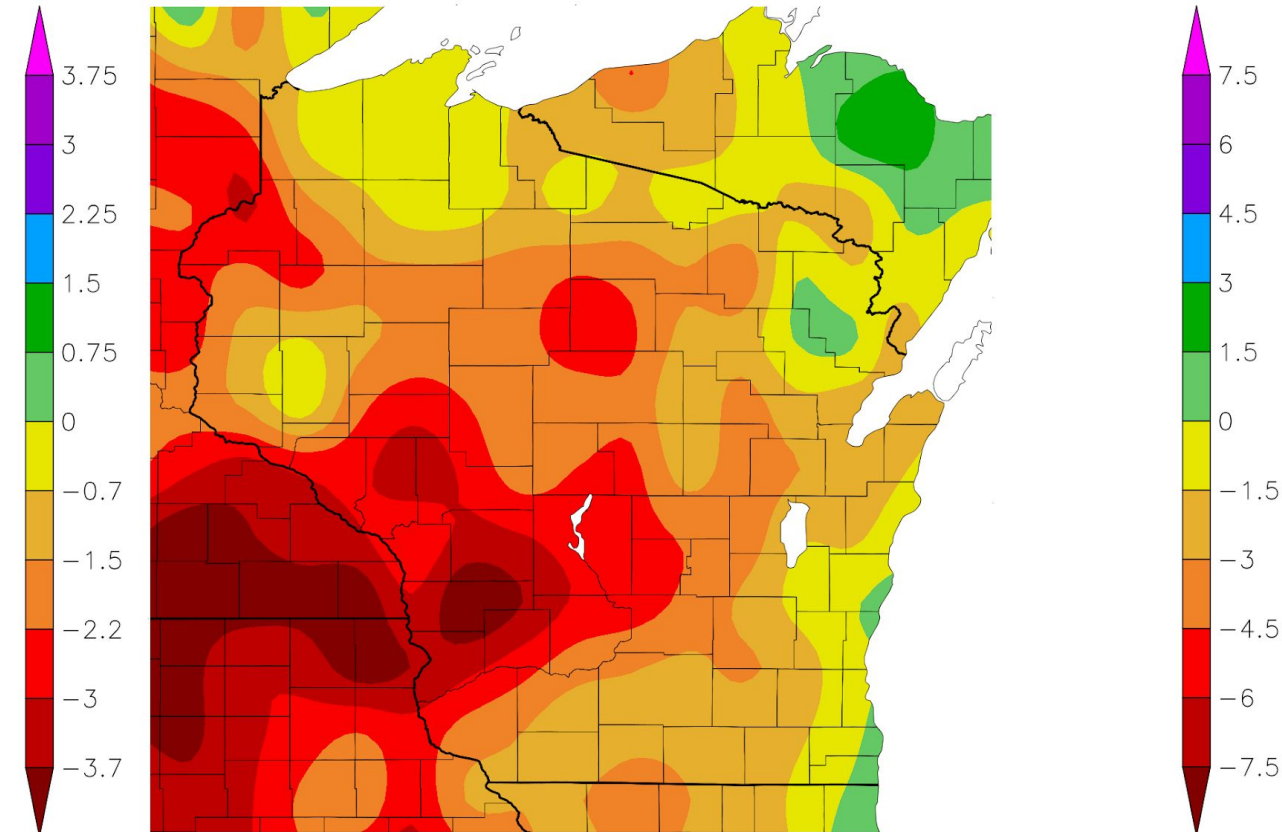
September 21, 2023
11:00 AM

- 30 day deficits across southern Wisconsin are 3 - 4 inches in the Extreme and Exceptional Drought areas, 1.5 - 3 inches in the Severe Drought area and within 1.5 inches of normal in southeast WI.
- 90 day deficits are 4 - 7 inches in the Extreme and Exceptional Drought areas, 1.5 - 4.5 inches in the Severe Drought area, and within 1.5 inches of normal in southeast WI.

Departure from Normal Precipitation (in)
8/21/2023 - 9/19/2023



Departure from Normal Precipitation (in)
6/22/2023 - 9/19/2023



Images: High Plains Regional Climate Center



Current Conditions

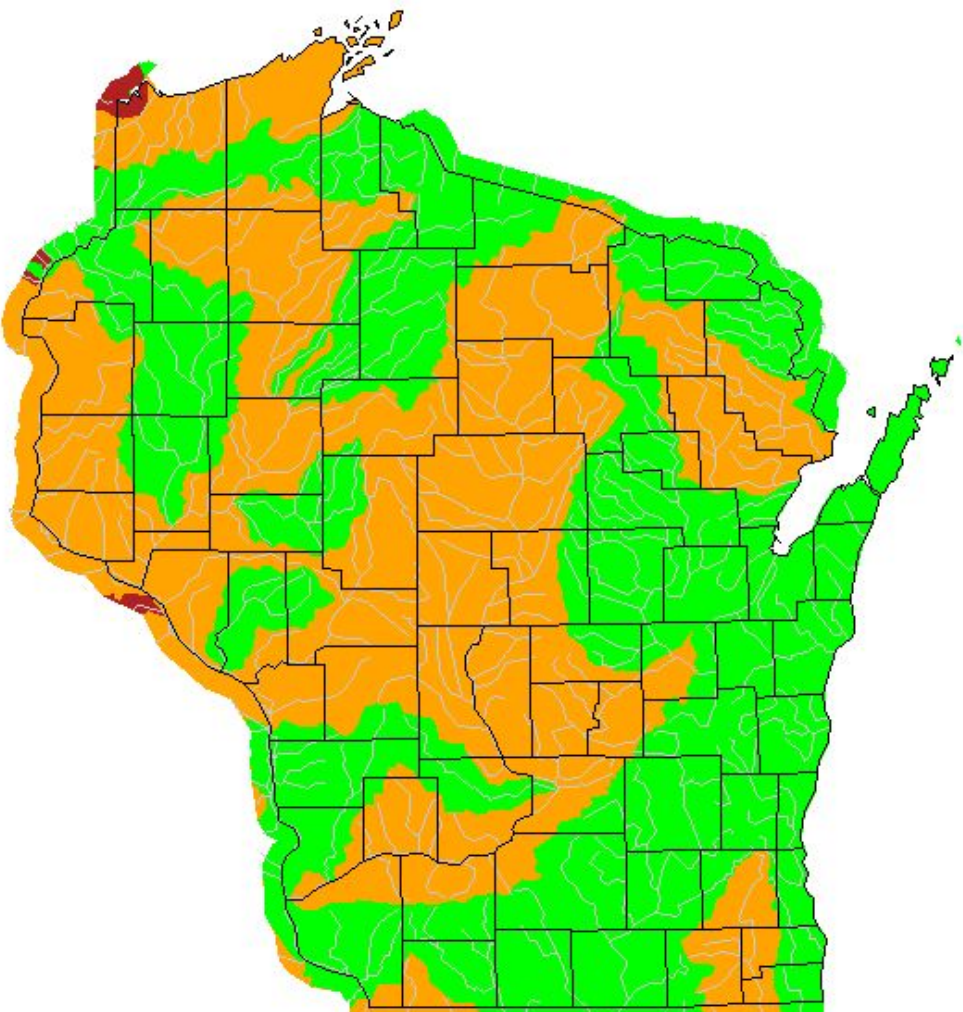
September 21, 2023
11:00 AM

- 28 day streamflow values are in the 10 to 30th percentile in southwest and south-central Wisconsin and 10th - 40th percentile in southeast Wisconsin. These values have been pretty consistent over the past month.
- Soil moisture has decreased over the past few weeks. CPC values are in the 1 - 10th percentile in southwest and south-central WI. These values were in the 10-30th percentile a month ago.



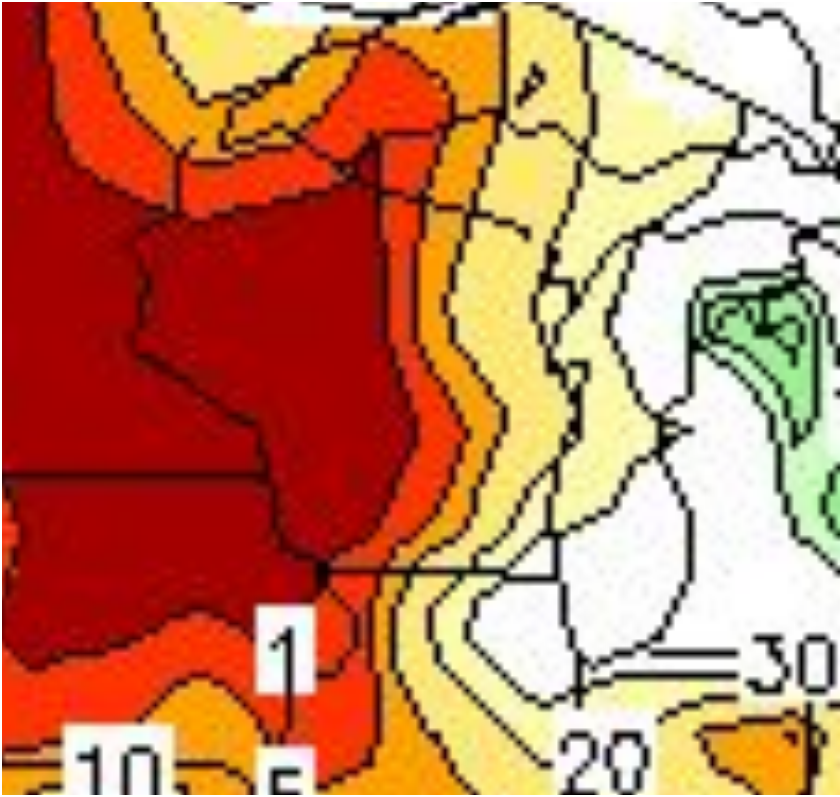
28 Day Streamflow

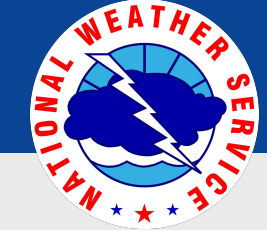
Tuesday, September 19, 2023



Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Climate Prediction Center Calculated Soil Moisture Percentile Sep 29, 2023





Summary of Impacts

September 21, 2023
11:00 AM

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Streamflows are average to below average

Agricultural Impacts

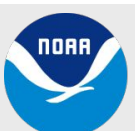
- Lawns are browning, crop growth is slow and yields are reduced

Fire Hazard Impacts

- Recent moisture has reduced the immediate concern for fire weather conditions across southern Wisconsin. The main area of concern is Sauk, Marquette and Green Lake counties.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information



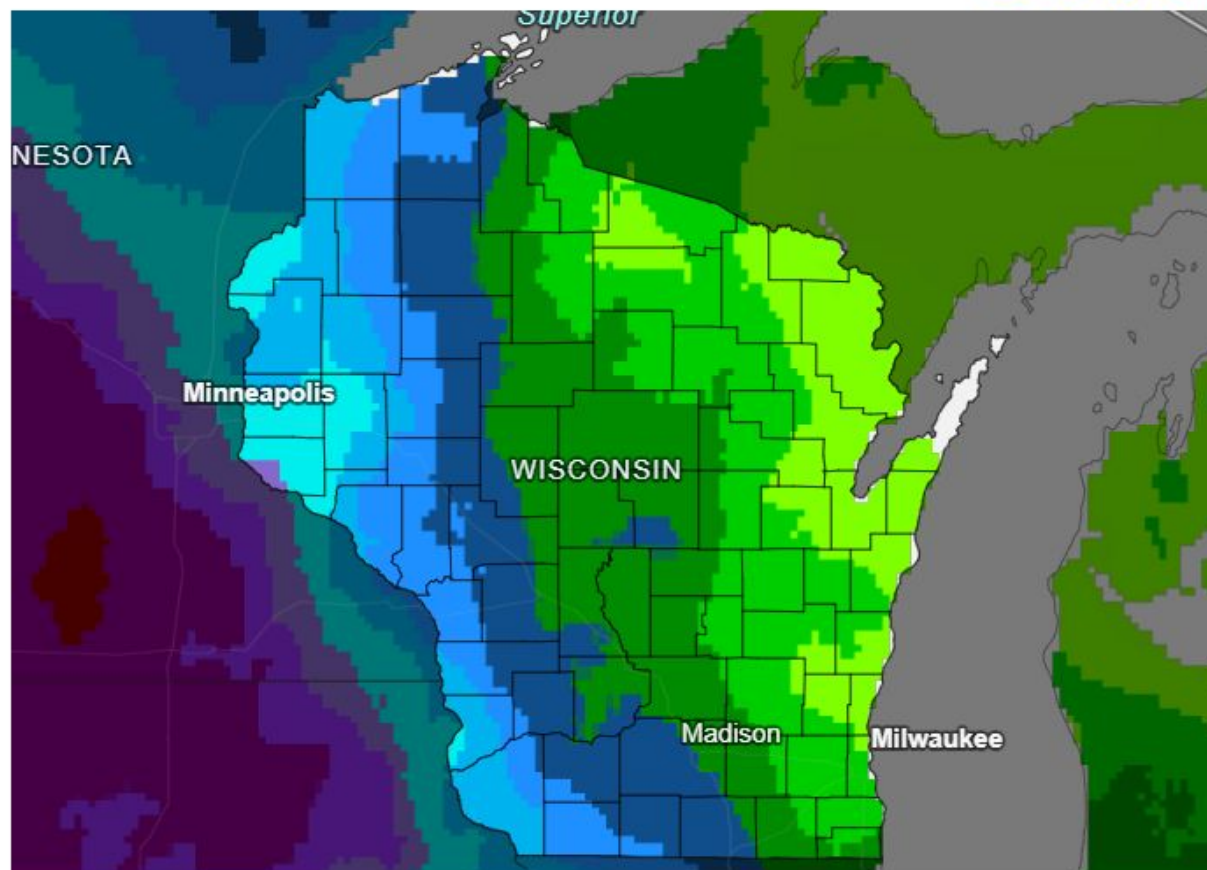


7 Day Precipitation Forecast

September 21, 2023

11:00 AM

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center
Data Valid: 09/21/23

[Drought.gov](https://drought.gov)

- There are a few chances for rain over the next several days. The best chance for rain is in the west.
- Showers will be scattered so rainfall amounts will vary. There is a 50% chance areas from Madison west will get at least 0.50 inches of rain (not shown).
- Average precipitation this time of year is 0.75 inches per week.





Week 2 Outlook

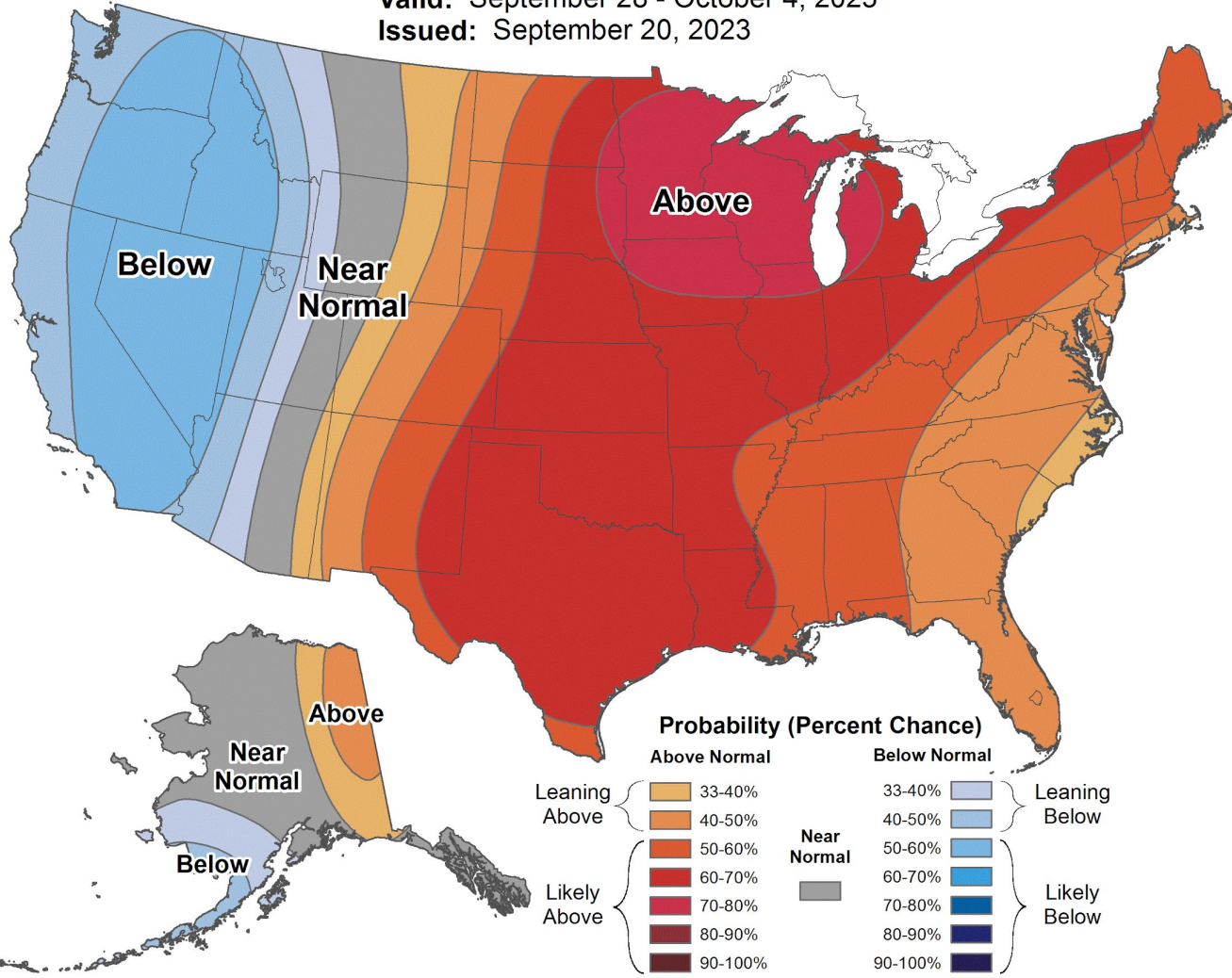
September 21, 2023
11:00 AM



8-14 Day Temperature Outlook



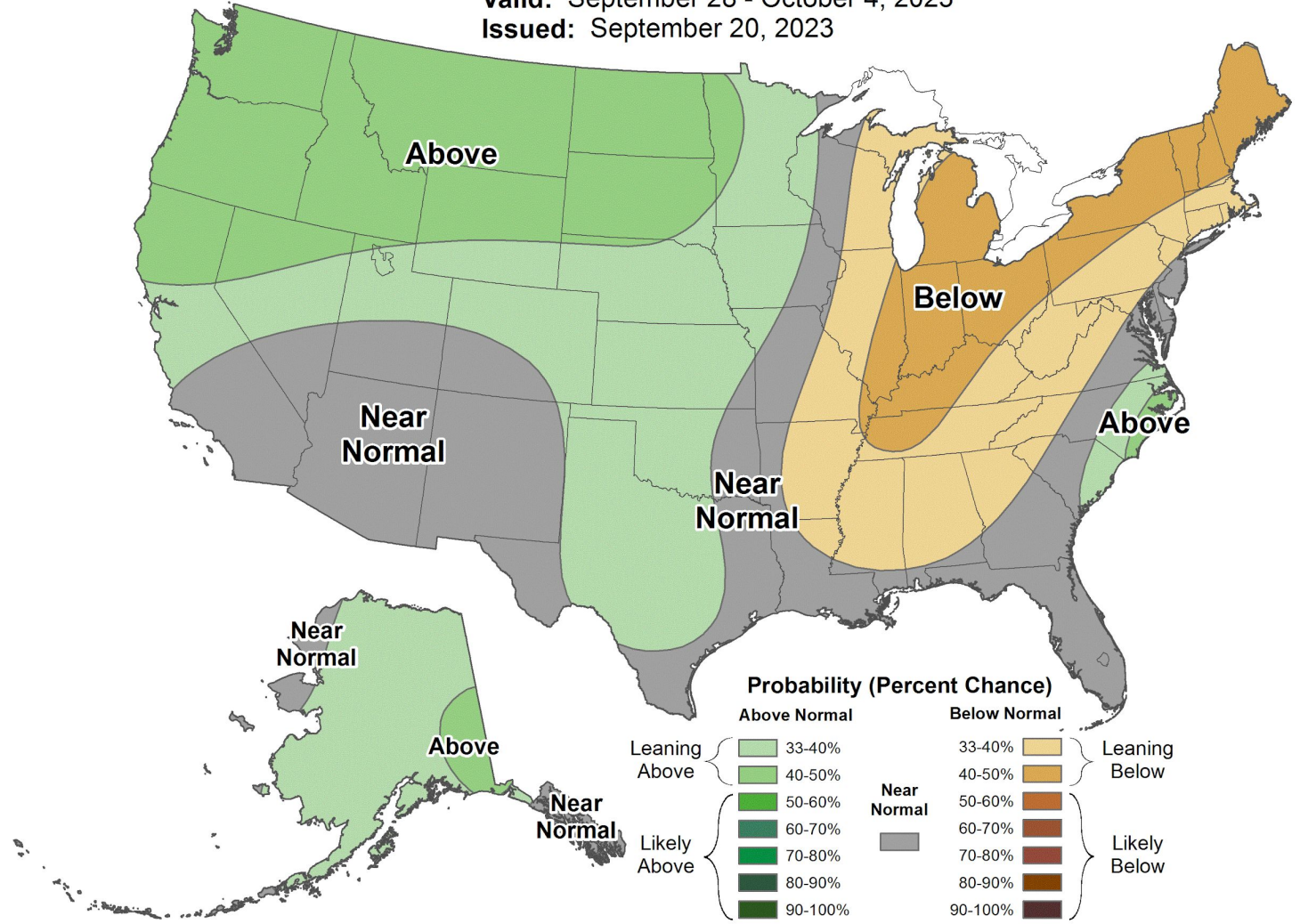
Valid: September 28 - October 4, 2023
Issued: September 20, 2023



8-14 Day Precipitation Outlook



Valid: September 28 - October 4, 2023
Issued: September 20, 2023





Extended Outlook: Oct-Nov-Dec

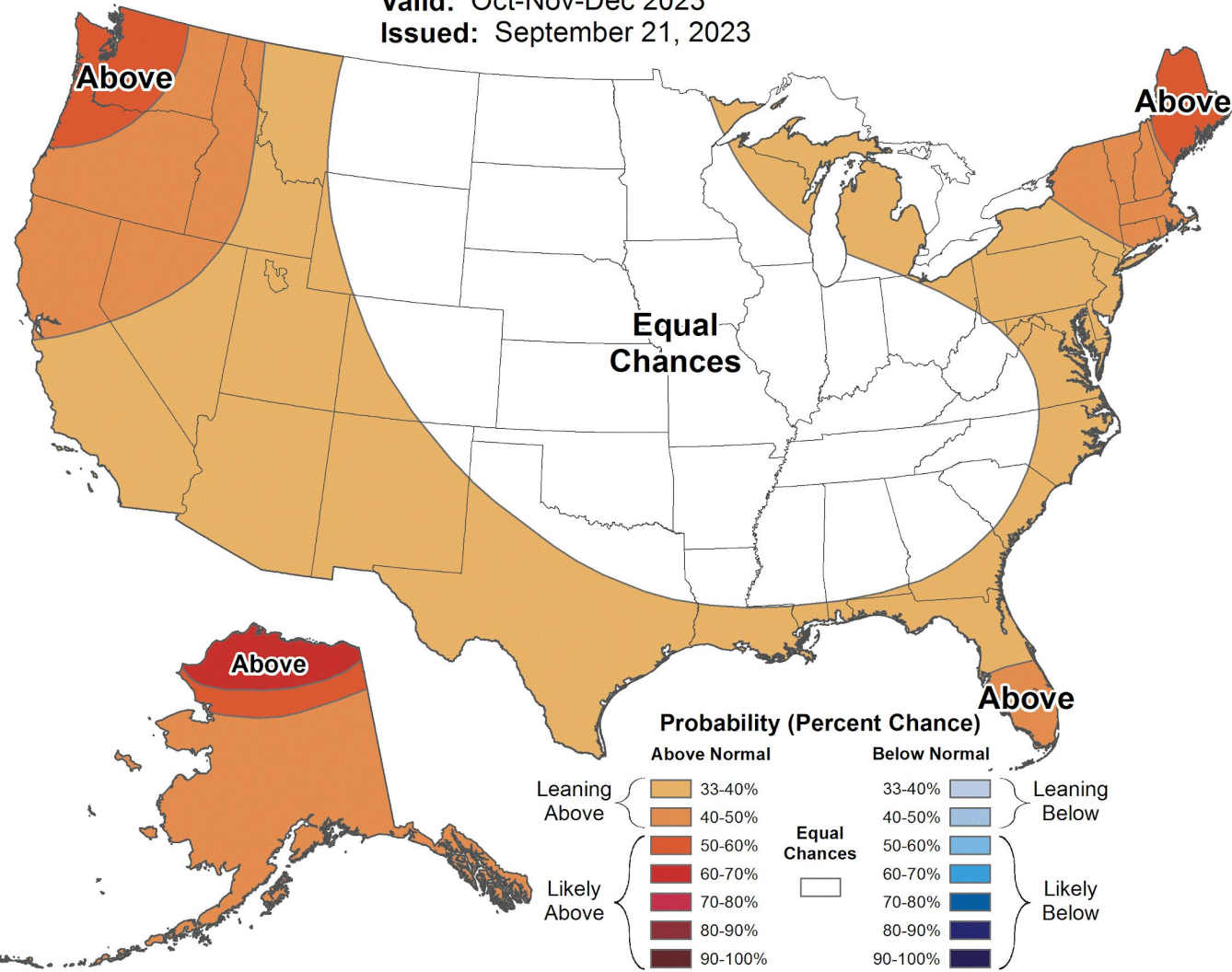
September 21, 2023
11:00 AM



Seasonal Temperature Outlook



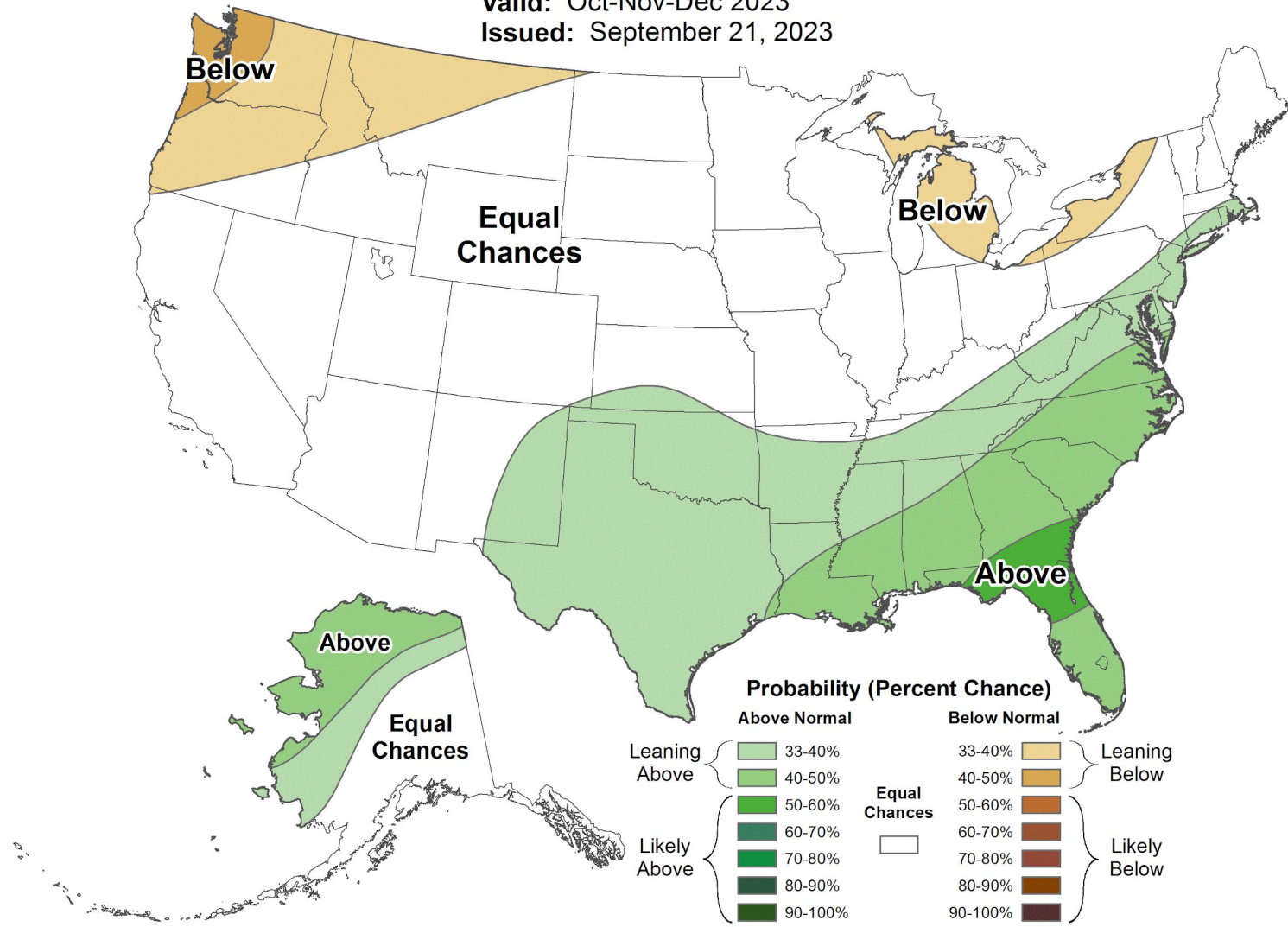
Valid: Oct-Nov-Dec 2023
Issued: September 21, 2023

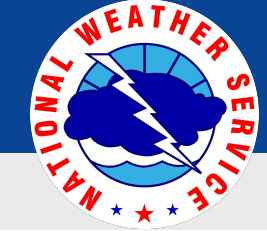


Seasonal Precipitation Outlook



Valid: Oct-Nov-Dec 2023
Issued: September 21, 2023





Extended Outlook: Jan-Feb-Mar

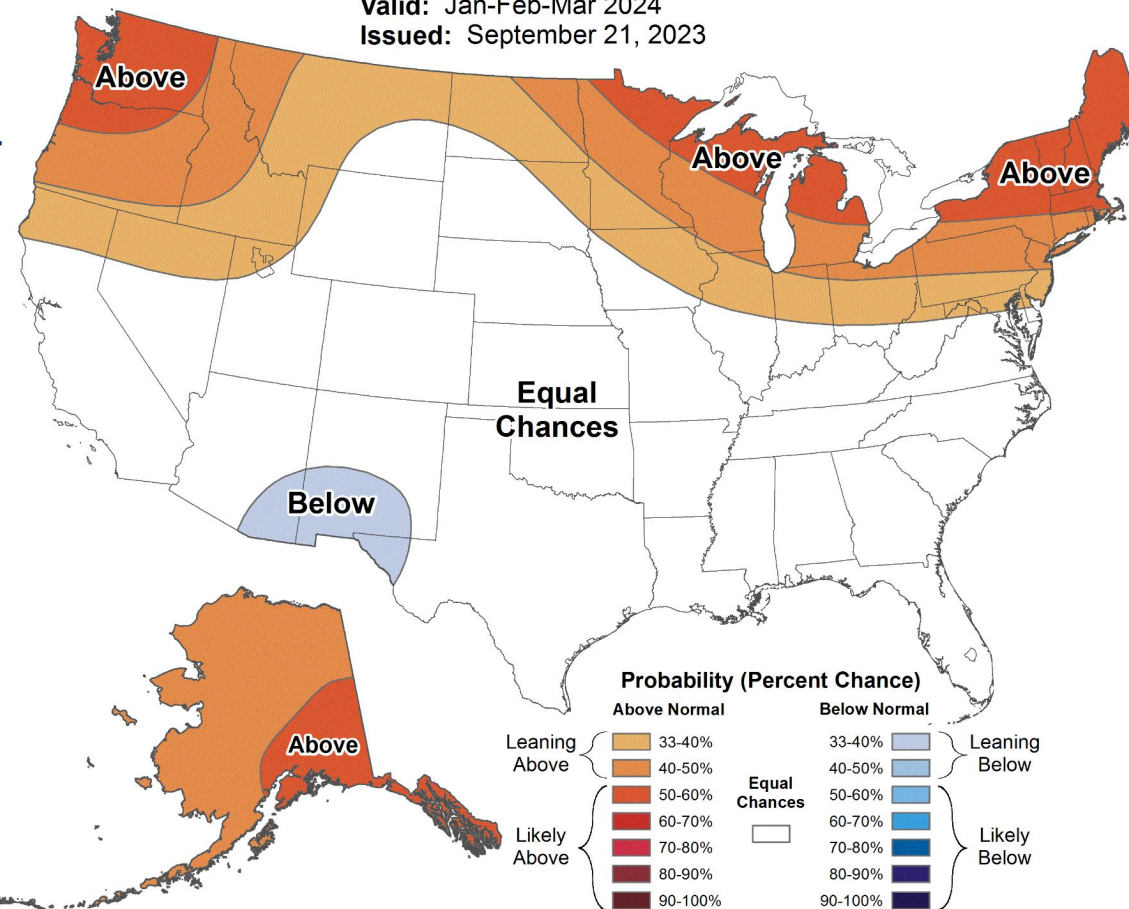
September 21, 2023
11:00 AM

- El Nino conditions are developing. There is a high chance they will continue into spring. Although there can be a lot of variation, this is correlated with above average temperature and below average precipitation in the Great Lakes region.
- There is less of a signal in spring and equal chances of above, near and below normal precipitation are forecast (not shown).



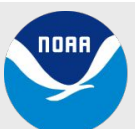
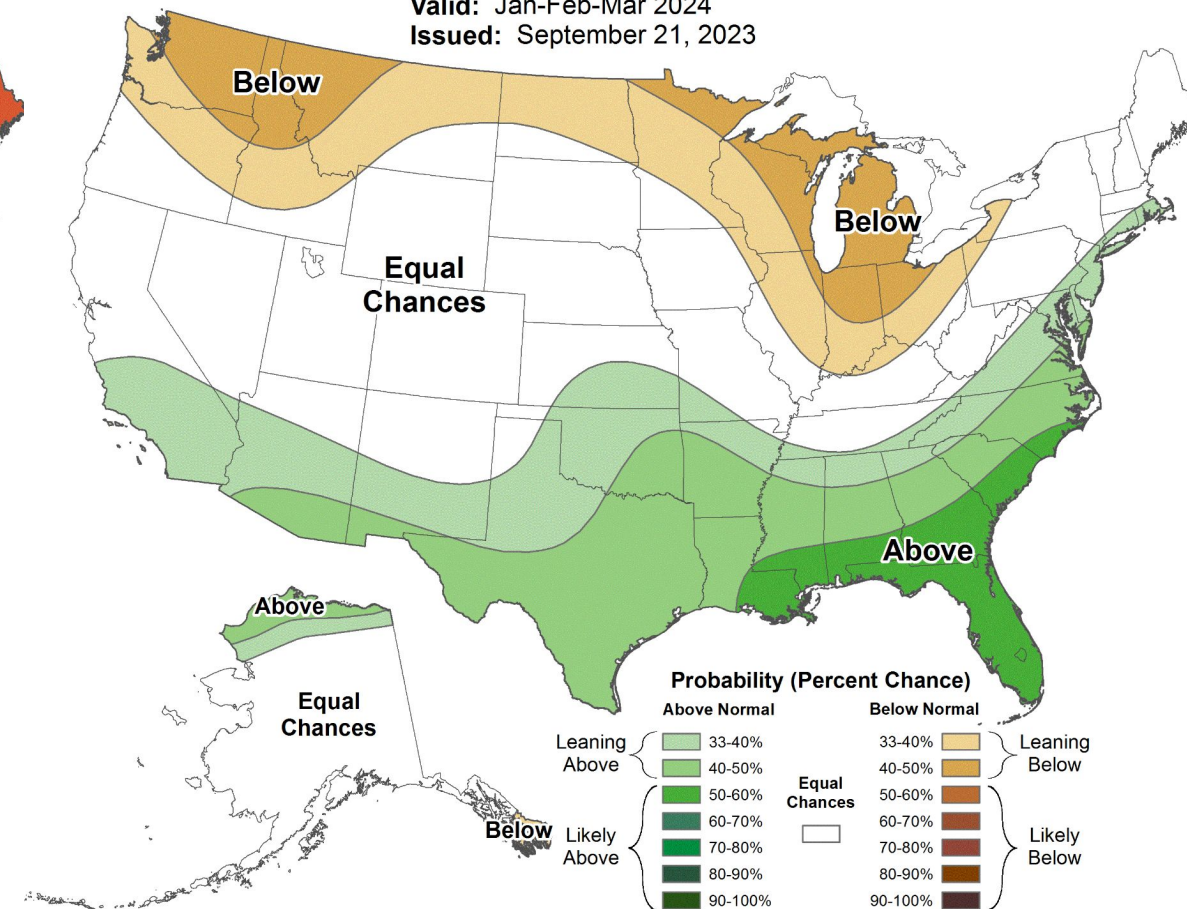
Seasonal Temperature Outlook

Valid: Jan-Feb-Mar 2024
Issued: September 21, 2023



Seasonal Precipitation Outlook

Valid: Jan-Feb-Mar 2024
Issued: September 21, 2023





Drought Outlook

September 21, 2023
11:00 AM

- Drought conditions are likely to persist into the fall / early winter season.

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for September 21 - December 31, 2023
Released September 21, 2023

